

Page 6 of 9
Application No. 10/602,364
Amendment A

REMARKS

In response to the pending office action, claims 1-2, 6, 9-10, 14-15 and 19 have been amended and claims 4 and 17 have been canceled without prejudice. Eighteen (18) claims remain pending in the application: Claims 1-3, 5-16 and 18-20. Reconsideration of claims 1-3, 5-16 and 18-20 in view of the amendments above and remarks below is respectfully requested.

Initially, Applicant acknowledges with appreciation the Examiner's indication that claims 4 and 17 would be allowable if rewritten in independent form and to overcome the objections/rejections under 35 U.S.C. § 112, second paragraph.

By way of this amendment, Applicant has made a diligent effort to place the claims in condition for allowance. However, should there remain any outstanding issues that require adverse action, it is respectfully requested that the Examiner telephone the undersigned at (858) 552-1311 so that such issues may be resolved as expeditiously as possible.

Information Disclosure Statement

1. Applicant respectfully requests that the Examiner consider the IDS filed March 25, 2004 and return an initialed copy of the Form PTO 1449 to Applicant.

Specification

2. Per the examiner's request, Applicant has checked the specification and not found any minor errors that require correction.

Claim Rejections - 35 U.S.C. §112

3. Claims 1-20 stand rejected under 35 U.S.C. § 112, second paragraph, as failing to particularly point out and distinctly claim that which Applicant regards as the invention.

Page 7 of 9
Application No. 10/602,364
Amendment A

Regarding claims 1, 9 and 14, Applicant has amended these claims to recite that the "R-C polyphase network including the inductor" is adapted to provide bandpass filtering to clarify that it is not the inductor "itself" that provides the bandpass filtering. Consistent with that described in Applicant's specification, a traditional R-C polyphase network provides a low pass response. However, according to many embodiments of the invention, the addition of the inductor to the R-C polyphase network adds additional filtering such that the modified R-C polyphase network including the inductor provides bandpass filtering. In preferred form, the inductor is selected to be in resonance with the capacitive reactance of the R-C polyphase network.

" This amendment is supported at least at page 18, lines 10-13; page 20, lines 3-9; and page 21, lines 10-20. Thus, it is respectfully submitted that the rejection is overcome and should be withdrawn.

Regarding claims 2, 6, 10, 15 and 19, Applicant has amended these claims to recite that the inductor is "coupled to an input of the R-C polyphase network", removing the words "in parallel" to alleviate any indefiniteness. Such amendment is clearly supported by the application as filed, e.g., support may be found at least at page 18, lines 4-5; page 23, lines 13-14 and in FIGS. 7B and 11. Thus, since the claims recite that the inductor is coupled to an input, it is respectfully submitted that the rejection is overcome and should be withdrawn.

Also regarding claim 14, Applicant has amended the biasing step of claim 14 to recite the step of "causing each of the first transistor and the second transistor to become a current source". It is well known to one of ordinary skill in the art how to bias a transistor in order that it becomes a current source. For example, as described in Applicant's specification (see, for example, page 19, lines 1-9), a bias circuit 810 is coupled to the emitter E of the transistor Q9, Vcc is applied to the bias circuit 810 and to the collector C of the transistor Q9, and a bias current is input to the bias circuit from a power supply. Accordingly, with the proper current, the transistor is caused to

Page 8 of 9
Application No. 10/602,364
Amendment A

function as a current source. The amendment to claim 14 is supported by at least page 19, lines 1-9. Applicant respectfully submits that the rejection is overcome and should be withdrawn.

Applicants respectfully requests that if it is the Examiner's view that such amendments are not sufficient to overcome the above rejections, that the Examiner kindly telephone the undersigned at (858) 552-1311 to discuss.

Claim Rejections - 35 U.S.C. §102

4. Claims 1-3, 5-16 and 18-20 stand rejected under 35 U.S.C. § 102(e), as being anticipated by U.S. Patent No. 6,696,885 (Christensen).

Independent claims 1 and 14 have been amended to include the limitations of dependent claims 4 and 17, respectively. Claims 4 and 17 are noted as allowable if the rejection under § 112, second paragraph is overcome. As provided above, Applicant respectfully submits that the rejection under § 112, second paragraph is overcome. Furthermore, independent claim 9 has been similarly amended to include the limitation of claims 4 and 17 while overcoming any rejections under § 112, second paragraph. Thus, it is respectfully submitted that claims 1, 9 and 14, as well dependent claims 2-3, 5-8, 10-13, 15-16 and 18-20, are in condition for allowance.

Allowable Subject Matter

5. Claims 4 and 17 stand rejected to as described above, but would be allowable if rewritten to overcome the objections/rejections under 35 U.S.C. § 112, second paragraph and if rewritten in independent form.

The limitations of claims 4 and 17 have been amended into claims 1 and 17 while canceling claims 4 and 17; thus, claims 4 and 17 have been amended into independent form. Additionally, claims 1 and 14 have been amended to overcome the rejection under § 112, second paragraph. Furthermore, independent claim 9 has been

Page 9 of 9
Application No. 10/602,364
Amendment A

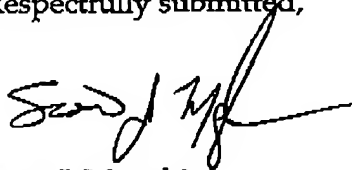
similarly amended to include the limitation of claims 4 and 17 while overcoming any rejections under § 112, second paragraph. Thus, it is respectfully submitted that claims 1, 9 and 14, as well as any claims dependent thereon, are in condition for allowance.

CONCLUSION

Applicant submits that the above amendments and remarks place the pending claims in a condition for allowance. Therefore, a Notice of Allowance is respectfully requested.

Respectfully submitted,

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